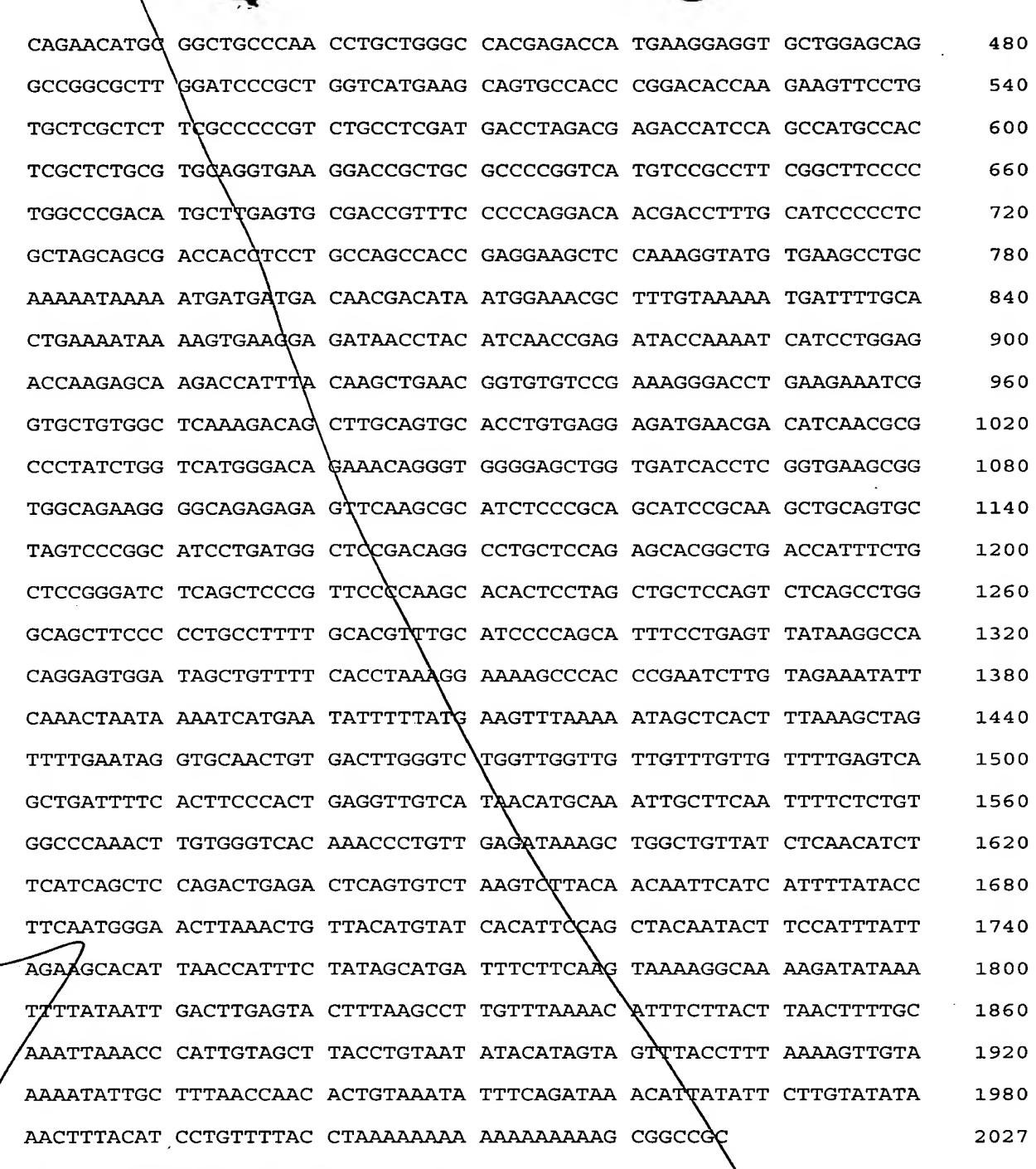
## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i) APPLICANT: LaVALLIE, EDWARD RACIE, LISA

- (ii) TITLE OF INVENTION: HUMAN SDF-5 PROTEIN AND COMPOSITIONS
- (iii) NUMBER\OF SEQUENCES: 3
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: GENETICS INSTITUTE, INC.
  - (B) STRRET: 87 CAMBRIDGEPARK DRIVE
  - (C) CITY CAMBRIDGE
  - (D) STATE: MA
  - (E) COUNTRY: USA
  - (F) ZIP: 02140
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER :\(\) IBM PC compatible
  - (C) OPERATING\SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER:
  - (B) FILING DATE:
  - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: LAZAR, STEVEN R.
  - (B) REGISTRATION NUMBER: 32,618
  - ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: (617) 498-8260
    - (B) TELEFAX: (617) 876-5**8**51
- 2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 2027 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: DNA (genomic)
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GAATTCGGCC	TTCATGGCCT	AGCTCATTCT	GCTCCCCCGG	GTCGGAGCCC	CCCGGAGCTG	6
CGCGCGGCT	TGCAGCGCCT	CGCCCGCGCT	CCTCCCGGTG	TCCCGCTTCT	CCGCGCCCCA	12
GCCGCCGGCT	GCCAGCTTTT	CGGGGCCCCG	AGTCGCACCC	AGCGAAGAGA	GCGGGCCCGG	18
GACAAGCTCG	AACTCCGGCC	GCCTCGCCCT	TCCCCGGCTC	CGCTCCCTCT	GCCCCCTCGG	24
GGTCGCGCGC	CCACGATGCT	GCAGGGCCCT	GGCTCGCTGC	TGCTGCTCTT	COTCGCCTCG	30
CACTGCTGCC	TGGGCTCGGC	GCGCGGGCTC	TTCCTCTTTG	GCCAGCCCGA	CTTCTCCTAC	360
AAGCGCAGCA	ATTGCAAGCC	CATCCCGGCC	AACCTGCAGC	TGTGCCACGG	CATCGAATAC	420



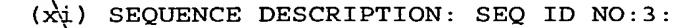
(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 295 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Leu Gln Gly Pro Gly Ser Leu Leu Leu Leu Phe Leu Ala Ser His Cys Cys Leu Gly Ser Ala Arg Gly Leu Phe Leu Phe Gly Gln Pro Asp Phe\Ser Tyr Lys Arg Ser Asn Cys Lys Pro Ile Pro Ala Asn Leu Gln Leu Cy's His Gly Ile Glu Tyr Gln Asn Met Arg Leu Pro Asn Leu Leu Gly His Elu Thr Met Lys Glu Val Leu Glu Gln Ala Gly Ala Trp Ile Pro Leu Val\ Met Lys Gln Cys His Pro Asp Thr Lys Lys Phe Leu Cys Ser Leu Phe Ala Pro Val Cys Leu Asp Asp Leu Asp Glu Thr Ile Gln Pro Cys His Ser Leu Cys Val Gln Val Lys Asp Arg Cys Ala Pro Val Met Ser Ala Phe Glix Phe Pro Trp Pro Asp Met Leu Glu Cys Asp Arg Phe Pro Gln Asp Asn Asp Leu Cys Ile Pro Leu Ala Ser Ser Asp His Leu Leu Pro Ala Thr Glu Glu Ala Pro Lys Val Cys Glu Ala Cys Lys Asn Lys Asn Asp Asp Asp Ash Asp Ile Met Glu Thr Leu Cys Lys Asn Asp Phe Ala Leu Lys Ile Lys Val Lys Glu Ile Thr Tyr Ile Asn Arg Asp Thr Lys Ile Ile Leu Glu Thr Lys Ser Lys Thr Ile Tyr Lys Leu Asn Gly Val Ser Glu Arg Asp Leu Lys Lys Ser Val Leu Trp Leu Lys Asp Ser Leu Gln Cys Thr Cys Glu Glu Mèt Asn Asp Ile Asn Ala Pro Tyr Leu Val Met Gly Gln Lys Gln Gly Glu Leu Val Ile Thr Ser Val Lys Arg Trp Gln Lys Gly Gln Arg Glu Phe Lys Arg Ile Ser Arg Ser Ile Arg Lys Leu Gln Cys

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 275 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein



Arg Ser Asn Cys Lys Pro Ile Pro Ala Asn Leu Gln Leu Cys His Gly Ile Glu Tyr Gln Asn Met Arg Leu Pro Asn Leu Leu Gly His Glu Thr Met Lys Glu Val Leu Glu Gln Ala Gly Ala Trp Ile Pro Leu Val Met Lys Gln Cya His Pro Asp Thr Lys Lys Phe Leu Cys Ser Leu Phe Ala Pro Val Cys Leu Asp Asp Leu Asp Glu Thr Ile Gln Pro Cys His Ser Leu Cys Val Glh Val Lys Asp Arg Cys Ala Pro Val Met Ser Ala Phe Gly Phe Pro Trp Aro Asp Met Leu Glu Cys Asp Arg Phe Pro Gln Asp Asn Asp Leu Cys Ile\Pro Leu Ala Ser Ser Asp His Leu Leu Pro Ala Thr Glu Glu Ala Pro Lys Val Cys Glu Ala Cys Lys Asn Lys Asn Asp Q Asp Asp Asn Asp Ile Met Glu Thr Leu Cys Lys Asn Asp Phe Ala Leu Lys Ile Lys Val Lys Glu Ile Thr Tyr Ile Asn Arg Asp Thr Lys Ile Ile Leu Glu Thr Lys Ser Lys Thr Ile Tyr Lys Leu Asn Gly Val Ser 20Q Glu Arg Asp Leu Lys Lys Ser Val Leu Trp Leu Lys Asp Ser Leu Gln Thr Cys Glu Glu Met Asn Asp Ile\Asn Ala Pro Tyr Leu Val Met 

Ser Ala Arg Gly Leu Phe Leu Phe Gly Gln Pro Asp Phe Ser Tyr Lys

Gly Gln Lys Gln Gly Gly Glu Leu Val Ile Thr Ser Val Lys Arg Trp 

Gln Lys Gly Gln Arg Glu Phe Lys Arg Ile Ser Arg Ser Ile Arg Lys 

Leu Gln Cys